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Jean-Pierre E. Grolier

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*PVTX = Pressure-Volume-Temperature-Composition

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| Commission on Biotechnology
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AUGUST/SEPTEMBER

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| Commissions on Nomenclature of Organic Chemistry and Physical Organic Chemistry (G. P. Moss, P. A. S. Smith and D. Tavernier) | 1307 | Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995) |
| Commission on Atmospheric Chemistry (S. E. Schwartz and P. Warneck) | 1377 | Units for use in atmospheric chemistry (IUPAC Recommendations 1995) |
| Commission on Atmospheric Chemistry (J. G. Calvert, Y. Bai, J. Slanina, R. H. Brown, S. M. Li, Y. Tsujino, H.-J. Grösse, Y. Q. Duan, S. Jiang, K. C. Moon, T. Cvitas, Y. Y. Lee, S. Min, S. G. Shim, O. N. Singh, X. Tang, R. Thakre, W. Jiqun, C. Qun, T. Zhu and M. Hu) | 1407 | Local air pollution in fast developing countries (Technical Report) |
| Commission on Agrochemicals (R. M. Hollingworth, N. Kurihara, J. Miyamoto, S. Otto and G. D. Paulson) | 1487 | Pesticides report 32: Detection and significance of active metabolites of agrochemicals and related xenobiotics in animals (Technical Report) |

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| Commission on Toxicology
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| Commission on Spectrochemical and Other Optical Procedures for Analysis (L. R. P. Butler and K. Laqua) | 1725 | Nomenclature, symbols, units and their usage in spectrochemical analysis—IX. Instrumentation for the spectral dispersion and isolation of optical radiation (IUPAC Recommendations 1995) |
| Commission on Spectrochemical and Other Optical Procedures for Analysis (K. Laqua, B. Schrader, G. G. Hoffmann, D. S. Moore and T. Vo-Dinh) | 1745 | Nomenclature, symbols, units and their usage in spectrochemical analysis—XI. Detection of radiation (IUPAC Recommendations 1995) |
| Commission on Spectrochemical and Other Optical Procedures for Analysis (D. S. Moore, T. A. M. Ure and L. R. P. Butler) | 1761 | Nomenclature, symbols, units and their usage in spectrochemical analysis: Cumulative index of terms: Parts I–XIII |
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- G. Conti, P. Gianni, L. Lepori and 1849 Excess thermodynamic properties of asym-
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models and microscopic insight for the
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- J. N. Hay 1855 The physical ageing of amorphous and
crystalline polymers
- D. P. Remeta, E. W. Miles and 1859 Thermally induced unfolding of the trypto-
A. Gisburg phan synthase $\alpha_2\beta_2$ multienzyme complex
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- G. Barone, P. Catanzano, P. Del 1867 Differential scanning calorimetry as a tool to
Vecchio, C. Giancola and study protein-ligand interactions
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- A. Schiraldi 1873 Microbial growth and metabolism: Modelling
and calorimetric characterization
- M. Maciejewski and A. Baiker 1879 Incorporation and reactivity of carbon in
palladium
- J. Šesták, V. Šesták'ová, 1885 Estimation of activity data for the Ga-Sb,
Z. Zivkovic and D. Zivkovic Ga-S and Sb-S systems regarding the doped
GaSb semiconductor crystals

***IUPAC Recommendations on Nomenclature and Symbols and Technical Reports
from Commissions***

- Commission on High Temperature 1891 The electrical conductivity of cubic stabilized
and Solid State Chemistry zirconia: The results of an IUPAC collabora-
(P. Abélard and J. F. Baumard) tive study (Technical Report)
- Commission on General Aspects 1905 Absolute methods in analytical chemistry
of Analytical Chemistry (Technical Report)
(A. Hulanicki)
- Commission on Spectrochemical 1913 Nomenclature, symbols, units, and their
and Other Optical Procedures for usage in spectrochemical analysis—XV.
Analysis (D. S. Moore, T. Vo-Dinh, Laser-based molecular spectroscopy for
N. H. Velthorst and B. Schrader) chemical analysis—laser fundamentals
(IUPAC Recommendations 1995)
- Commission on Radiochemistry 1929 Isotopic and nuclear analytical techniques
and Nuclear Techniques in biological systems: A critical study—IX.
(R. H. Filby) Neutron activation analysis (Technical
Report)

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| Commission on Radiochemistry and Nuclear Techniques
(J. D. Fassett), | 1943 Isotopic and nuclear analytical techniques in biological systems: A critical study—X. Elemental isotope dilution analysis with radioactive and stable isotopes (Technical Report) |
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DECEMBER

Plenary and Selected Invited lectures presented at the International Symposium on Functional and High Performance Polymers held in Taipei, Taiwan, 14-16 November 1994

Plenary Lectures

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|--|--|
| W. Heitz | 1951 Metal catalyzed polycondensation reactions |
| T. Saegusa | 1965 Organic-inorganic polymers hybrids |
| R. S. Stein, H. Henning Winter,
J. Müller and M. Srinivasarao | 1971 Optical properties of polymers and liquid crystals in electrical, magnetic, and hydrodynamic fields |

Selected Invited Lectures

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| S.-A. Chen and C.-C. Lee | 1983 Processable low band gap π -conjugated polymer, poly(isothianaphthene): Its synthesis and reaction mechanism |
| Y. K. Dai, E. Y. Chu, T. K. Kwei,
K.-S. Ho and K. Levon | 1991 Molecular composites |
| H. Ding and F. W. Harris | 1997 Synthesis and characterization of novel nylon 6- <u>b</u> -polyimide- <u>b</u> -nylon 6 copolymers |
| C.-S. Hsu and G.-H. Hsiue | 2005 Molecular design of ferroelectric liquid crystalline polymers |
| Y. Imanishi and Y. Ito | 2015 Glucose-sensitive insulin-releasing molecular systems |
| W. H. Kim, X. L. Jiang, J. Kumar
and S. K. Tripathy | 2023 Design of new polydiacetylenes as self assembling second order nonlinear optical polymers |
| V. Percec | 2031 Molecular design of novel liquid crystalline polymers with complex architecture: Macrocyclics and dendrimers |
| T. Shimidzu | 2039 Functionalized conjugating polymers: From molecule and ions transporting membranes to advanced electronic and photonic materials |

IUPAC Recommendations on Nomenclature and Symbols and Technical Reports from Commissions

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|--|---|
| Commission on Polymer Characterization and Properties
(R. Qian, Y. Xu, Y. Chen, D. Shen,
X. Jin, L. Chen, T. Ohmae,
S. Hosoda, H. Tanaka, T. Masuda
and A. Nakajima) | 2047 Properties of EDAM copolymers as polypropylene resin modifier (Technical Report) |
|--|---|

Commission on Atmospheric Chemistry (H. Akimoto)	2057	Major concerns and research needs for our understanding of the chemistry of the atmosphere (Technical Report)
Commission on Agrochemicals (A. J. Krotzky and B. Zeeh)	2065	Pesticides report 33. Immunoassays for residue analysis of agrochemicals: Proposed guidelines for precision, standardization and quality control (Technical Report)
Commission on Agrochemicals (R. D. Wauchope, R. L. Graney, S. Cryer, C. Eadsforth, A. W. Klein and K. D. Racke)	2089	Pesticides report 34. Pesticide runoff: Methods and interpretation of field studies (Technical Report)
Commission on Agrochemicals (S. Z. Cohen, R. D. Wauchope, A. W. Klein, C. V. Eadsforth and R. Graney)	2109	Pesticides report 35. Offsite transport of pesticides in water: Mathematical models of pesticide leaching and runoff (Technical Report)
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